SNC2D

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1.

a. chloride

b. sulfate

c. magnesium

d. copper (II)

2.

a. OH-

b. S2-

c. Al3-

d. Cr3+

3. K+, S2-

K2S

(each potassium loses 1 electron; sulfur gains 2 electrons total)

4. anions & cations are attracted to each other in a molecule & also to other molecules (intramolecular attraction); the green tiles represent the ions & the lines represent the ionic bonds & attractions between molecules

to represent NaCl you would need 2 different-coloured tiles (green + another) to represent the 2 different ions in the molecule

5.

a. lithium carbonate

b. ammonium nitrite

c. copper (II) oxide

6.

a. Mg3N2

b. Al(OH)3

c. SnBr2

d. NiSO4

7.

a. P is phosphide, not phosphate – name should be sodium phosphide

b. doesn’t appear to be any error…

c. sulfite has a charge of 2-, so formula should be K2SO3

8. charge on iron (Fe) ion could be 3+ or 2+